

## EAST Search History

| Ref # | Hits | Search Query                                                                                 | DBs                                                          | Default Operator | Plurals | Time Stamp       |
|-------|------|----------------------------------------------------------------------------------------------|--------------------------------------------------------------|------------------|---------|------------------|
| L1    | 1604 | 713/176.ccls. AND (@pd<"20020624" or @ad<"20020624" or @prad<"20020624" or @rlad<"20020624") | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO;<br>DERWENT;<br>IBM_TDB | ADJ              | ON      | 2006/12/18 10:40 |
| L2    | 1820 | 382/100.ccls. AND (@pd<"20020624" or @ad<"20020624" or @prad<"20020624" or @rlad<"20020624") | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO;<br>DERWENT;<br>IBM_TDB | ADJ              | ON      | 2006/12/18 10:40 |
| S4    | 178  | 713/176.ccls. audio video signal signature position                                          | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO;<br>DERWENT;<br>IBM_TDB | AND              | ON      | 2006/12/15 13:16 |
| S8    | 400  | 713/176.ccls. digital watermark signature                                                    | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO;<br>DERWENT;<br>IBM_TDB | AND              | ON      | 2006/11/29 09:52 |
| S9    | 318  | 713/176.ccls. digital watermark signature signal                                             | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO;<br>DERWENT;<br>IBM_TDB | AND              | ON      | 2006/11/29 09:52 |
| S10   | 248  | 713/176.ccls. digital watermark signature signal audio video                                 | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO;<br>DERWENT;<br>IBM_TDB | AND              | ON      | 2006/12/14 14:15 |
| S11   | 9    | 713/176.ccls. digital watermark signature signal audio video embed\$ interlac\$              | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO;<br>DERWENT;<br>IBM_TDB | AND              | ON      | 2006/11/29 09:53 |
| S12   | 232  | 713/176.ccls. digital watermark signature signal audio video (embed\$ or interlac\$)         | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO;<br>DERWENT;<br>IBM_TDB | AND              | ON      | 2006/11/29 09:53 |

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|     |      |                                                                                                                                                                                      |                                                              |     |    |                  |
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| S13 | 197  | S12 AND (@pd<"20020624" or @ad<"20020624" or @prad<"20020624" or @rlad<"20020624")                                                                                                   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2006/12/14 14:21 |
| S23 | 20   | digital signal AND signature AND watermark AND embed\$ AND horizontal AND vertical AND \$interlace\$1 AND (@pd<"20020624" or @ad<"20020624" or @prad<"20020624" or @rlad<"20020624") | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2006/12/14 16:03 |
| S24 | 2    | "4238849".pn.                                                                                                                                                                        | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2006/12/14 15:47 |
| S25 | 27   | signal AND signature AND watermark AND embed\$ AND horizontal AND vertical AND \$interlace\$1 AND (@pd<"20020624" or @ad<"20020624" or @prad<"20020624" or @rlad<"20020624")         | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2006/12/14 16:03 |
| S26 | 36   | signature AND watermark AND embed\$ AND \$interlace\$ AND repeat\$ AND (@pd<"20020624" or @ad<"20020624" or @prad<"20020624" or @rlad<"20020624")                                    | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2006/12/14 16:27 |
| S27 | 27   | signature AND watermark AND embed\$ AND \$interlace\$ AND repeat\$ AND horizontal AND vertical AND (@pd<"20020624" or @ad<"20020624" or @prad<"20020624" or @rlad<"20020624")        | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2006/12/14 16:27 |
| S28 | 2130 | 713/176.ccls.                                                                                                                                                                        | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2006/12/14 16:28 |
| S29 | 1604 | 713/176.ccls. AND (@pd<"20020624" or @ad<"20020624" or @prad<"20020624" or @rlad<"20020624")                                                                                         | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2006/12/14 16:29 |

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|     |     |                                                                                                                                                                                                   |                                                              |     |    |                  |
|-----|-----|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------|-----|----|------------------|
| S31 | 346 | signature AND watermark AND 713/176.ccls. AND (@pd<"20020624" or @ad<"20020624" or @prad<"20020624" or @rlad<"20020624")                                                                          | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2006/12/14 16:29 |
| S32 | 297 | embed\$ AND signature AND watermark AND 713/176.ccls. AND (@pd<"20020624" or @ad<"20020624" or @prad<"20020624" or @rlad<"20020624")                                                              | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2006/12/14 16:29 |
| S33 | 242 | signal AND embed\$ AND signature AND watermark AND 713/176.ccls. AND (@pd<"20020624" or @ad<"20020624" or @prad<"20020624" or @rlad<"20020624")                                                   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2006/12/14 16:29 |
| S34 | 48  | stenography AND signal AND embed\$ AND signature AND watermark AND (@pd<"20020624" or @ad<"20020624" or @prad<"20020624" or @rlad<"20020624")                                                     | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2006/12/14 16:39 |
| S35 | 49  | stenography AND (signal OR digital signal) AND embed\$ AND signature\$ AND watermark\$ AND (@pd<"20020624" or @ad<"20020624" or @prad<"20020624" or @rlad<"20020624")                             | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2006/12/14 16:46 |
| S36 | 7   | stenography AND (signal OR digital signal) AND embed\$ AND signature\$ AND watermark\$ AND horizontal AND vertical AND (@pd<"20020624" or @ad<"20020624" or @prad<"20020624" or @rlad<"20020624") | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2006/12/14 16:48 |
| S37 | 49  | stenography AND (signal OR digital signal) AND embed\$ AND signature\$ AND (fingerprint\$ OR watermark\$) AND (@pd<"20020624" or @ad<"20020624" or @prad<"20020624" or @rlad<"20020624")          | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2006/12/14 16:49 |
| S38 | 10  | stenography AND electronic rights management AND (@pd<"20020624" or @ad<"20020624" or @prad<"20020624" or @rlad<"20020624")                                                                       | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2006/12/14 16:54 |

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|     |     |                                                                                                                                                                                                                                                                                                           |                                                              |     |    |                  |
|-----|-----|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------|-----|----|------------------|
| S39 | 7   | stenography AND electronic rights management AND embed\$ AND signal AND (fingerprint\$ OR watermark\$) AND (@pd<"20020624" or @ad<"20020624" or @prad<"20020624" or @rlad<"20020624")                                                                                                                     | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2006/12/15 12:34 |
| S40 | 1   | stenography AND (data rights management OR DRM) AND (@pd<"20020624" or @ad<"20020624" or @prad<"20020624" or @rlad<"20020624")                                                                                                                                                                            | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2006/12/15 12:37 |
| S41 | 4   | stenography AND (digital signing) AND watermark\$ AND (@pd<"20020624" or @ad<"20020624" or @prad<"20020624" or @rlad<"20020624")                                                                                                                                                                          | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2006/12/15 13:38 |
| S42 | 744 | (digital watermark\$ OR digital signing OR digital signature) AND embed\$ AND (digital signal OR audio video signal OR electronic signal OR data signal) AND horizontal AND vertical AND (@pd<"20020624" or @ad<"20020624" or @prad<"20020624" or @rlad<"20020624")                                       | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2006/12/15 12:49 |
| S43 | 305 | forming AND (digital watermark\$ OR digital signing OR digital signature) AND embed\$ AND (digital signal OR audio video signal OR electronic signal OR data signal) AND horizontal AND vertical AND (@pd<"20020624" or @ad<"20020624" or @prad<"20020624" or @rlad<"20020624")                           | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2006/12/15 13:11 |
| S44 | 1   | forming (digital watermark\$ OR digital signing OR digital signature) AND embed\$ AND (digital signal OR audio video signal OR electronic signal OR data signal) AND horizontal AND vertical AND (@pd<"20020624" or @ad<"20020624" or @prad<"20020624" or @rlad<"20020624")                               | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2006/12/15 12:49 |
| S45 | 27  | lines AND interlac\$4 AND form\$3 AND (digital watermark\$ OR digital signing OR digital signature) AND embed\$ AND (digital signal OR audio video signal OR electronic signal OR data signal) AND horizontal AND vertical AND (@pd<"20020624" or @ad<"20020624" or @prad<"20020624" or @rlad<"20020624") | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2006/12/15 13:13 |
| S46 | 37  | watermark audio video signal signature horizontal vertical AND 713/176.ccls. AND (@pd<"20020624" or @ad<"20020624" or @prad<"20020624" or @rlad<"20020624")                                                                                                                                               | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO;<br>DERWENT;<br>IBM_TDB | AND | ON | 2006/12/15 13:20 |

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|     |     |                                                                                                                                                                               |                                                              |     |    |                  |
|-----|-----|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------|-----|----|------------------|
| S47 | 11  | embedding forming watermark audio video signal signature horizontal vertical AND 713/176.ccls. AND (@pd<"20020624" or @ad<"20020624" or @prad<"20020624" or @rlad<"20020624") | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO;<br>DERWENT;<br>IBM_TDB | AND | ON | 2006/12/15 13:21 |
| S48 | 9   | stenography AND 713/176.ccls. AND (@pd<"20020624" or @ad<"20020624" or @prad<"20020624" or @rlad<"20020624")                                                                  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO;<br>DERWENT;<br>IBM_TDB | AND | ON | 2006/12/15 14:56 |
| S49 | 2   | "5822432".pn.                                                                                                                                                                 | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2006/12/15 13:38 |
| S50 | 7   | real time stenography AND 713/176.ccls. AND (@pd<"20020624" or @ad<"20020624" or @prad<"20020624" or @rlad<"20020624")                                                        | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO;<br>DERWENT;<br>IBM_TDB | AND | ON | 2006/12/15 14:57 |
| S51 | 3   | (real near time) AND stenography AND 713/176.ccls. AND (@pd<"20020624" or @ad<"20020624" or @prad<"20020624" or @rlad<"20020624")                                             | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO;<br>DERWENT;<br>IBM_TDB | AND | ON | 2006/12/15 15:15 |
| S52 | 1   | (real\$time) AND stenography AND 713/176.ccls. AND (@pd<"20020624" or @ad<"20020624" or @prad<"20020624" or @rlad<"20020624")                                                 | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO;<br>DERWENT;<br>IBM_TDB | AND | ON | 2006/12/15 15:16 |
| S53 | 192 | (real\$time) AND 713/176.ccls. AND (@pd<"20020624" or @ad<"20020624" or @prad<"20020624" or @rlad<"20020624")                                                                 | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO;<br>DERWENT;<br>IBM_TDB | AND | ON | 2006/12/15 15:16 |
| S54 | 78  | (real\$time) AND digital rights management AND 713/176.ccls. AND (@pd<"20020624" or @ad<"20020624" or @prad<"20020624" or @rlad<"20020624")                                   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO;<br>DERWENT;<br>IBM_TDB | AND | ON | 2006/12/15 15:28 |

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|     |    |                                                                                                                              |                                                              |     |    |                  |
|-----|----|------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------|-----|----|------------------|
| S55 | 99 | (real\$time) AND watermark AND 713/176. ccls. AND (@pd<"20020624" or @ad<"20020624" or @prad<"20020624" or @rlad<"20020624") | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO;<br>DERWENT;<br>IBM_TDB | AND | ON | 2006/12/15 15:28 |
| S56 | 2  | "wo-9811492-A1".did.                                                                                                         | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2006/12/15 16:06 |
| S57 | 1  | pct/us97/16237.ptan.                                                                                                         | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2006/12/15 16:11 |
| S59 | 2  | "5822432".pn.                                                                                                                | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2006/12/18 09:33 |